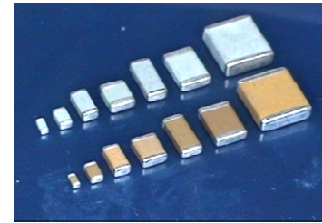


## Automotive Grade MLCC Rated Voltage 250Vac ◆X1/Y2 Safety Capacitors



### ◆ Features

- Suitable for harsh Automotive environments without additional qualification testing
- Available with Polymer Termination (Super Term) to prevent mechanical cracking
- High Reliability
- AEC-Q200 qualified
- RoHS compliant
- 250Vac, X1/Y2 Safety Capacitors available

### ◆ Applications

- CAN-Bus Isolation, On board charger
- Safety equipment
- Customized application

### ◆ Safety Details of Specifications

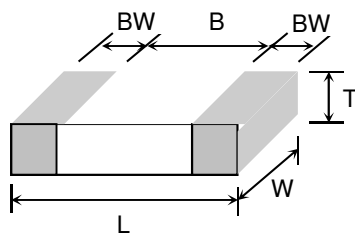
IEC 60384-14 : 2013, 4 <sup>th</sup> Edition	Meets the electrical requirements and certification for equipment requiring Class X1/Y2 devices.
EN 60384-14 : 2013, 4 <sup>th</sup> Edition	

### ◆ How To Order : SCC\_Q ( AEC-Q200) ; SCC\_A (TS16949 PPAP Level 3+AEC-Q200)

SCC
2208
X
102
K
502
T
X
A

Product Code	Chip Size	Dielectric	Capacitance Unit : pF	Tolerance	Rated Voltage	Packaging	Special Requirement	Special Requirement
SCC : Safety Certified MLCC	EX : 2208 2220	EX : X : X7R	EX : 100 : 10 x 10 <sup>0</sup> 221 : 22 x 10 <sup>1</sup> 332 : 33 x 10 <sup>2</sup> 473 : 47 x 10 <sup>3</sup>	EX : K : +/-10% M : +/-20%	EX : 502 : X1/Y2	EX : T : T/R 7" R : T/R 13" B : Bulk	EX : X: Polymer Termination (Super Term)	EX : A : TS16949 Q : AEC-Q200

### ◆ Dimension



TYPE	L	W	T (max)	B (min)	BW (min)
2208	5.70±0.40	2.00±0.20	2.2	4	0.3
2220	5.80±0.50	5.00±0.40	3	4	0.3

### ◆ Capacitance Range

Size	Class	Capacitance Values (pF)																										
		360	390	470	560	680	820	101	121	131	151	181	221	271	331	391	471	561	681	821	102	122	152	182	222	272	332	472
2208	X1/Y2	E	E	E	E	E	F	F	F	F	F	F	F	F	F	F	F	F	F	F								
2220	X1/Y2						F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	G	H

Note :  Available with Standard or Polymer Termination (Super Term)  
 Only Polymer Termination (Super Term) Available

Symbol Code	S	O	A	B	C	D	E	F	G	H
Thickness (mm)	0.3±0.03	0.5±0.05	0.6±0.1	0.85±0.1	1.0±0.1	1.25±0.20	1.6±0.2	2.0±0.2	2.4±0.2	2.8±0.2

■ Other dimensions, capacitance values and voltage ratings are available on request. Please contact your local Holy Stone office.